

Mr. Craig Chrisspell
Lone Star Industries, Inc.
P. O. Box 482
Greencastle, Indiana 46135

Re: 133-12826
Amendment to CP-133-10159-00002

Dear Mr. Chrisspell:

Lone Star Industries, Inc. was issued a Construction Permit on April 16, 1999, for modifications to their existing portland cement plant. On October 10, 2000, Lone Star Industries, Inc. submitted a letter requesting that the requirements to perform filterable PM/PM10 stack tests for baghouses controlling emission points FF 5-2, FF 5-3, and FF 5-5 which are associated with the Group 4 and Group 5 silos, be removed from the permit. Lone Star has completed filterable PM/PM10 stack testing for similar baghouses controlling similar emission points FF 5-1 and FF 5-8 which are also associated with the Group 5 silos. The stack test results for these emission points are shown in the following table.

Emission Point	PM/PM10 Emission Rate During Stack Testing (Average of 3 1-hour test runs) (gr/dscf)	Permit Limit (gr/dscf)
FF 5-1	0.000481	0.015
FF 5-8	0.000124	0.020

The PM/PM10 permit limits associated with the emission points that Lone Star proposes not to stack test are shown in the following table:

Emission Point	Permit Limit (gr/dscf)
FF 5-2	0.015
FF 5-3	0.020
FF 5-5	0.020

Since the processes and baghouses for FF 5-2, FF 5-3, and FF 5-5 are almost identical to the processes and baghouses that Lone Star has already stack tested and since the results show that the actual emissions are far less than the permitted allowables, the OAM agrees that it is not necessary to perform further PM/PM10 stack testing for cement silos. Instead, the OAM will require Method 9 opacity

testing for these emission points.

Revised Condition D.4.3(a) of CP 133-10159 is shown below. Additions are shown in bold and deletions are shown as strikeouts.

D.4.3 Performance Testing

- (a) Pursuant to 326 IAC 2-1-3 (Construction and Operating Permit Requirements) and 40 CFR 60 (New Source Performance Standards), initial compliance tests for the following facilities shall be performed to determine compliance with Operation Conditions D.4.1 within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up:

Operation	Emission Point	Emission Limitations
No. 1 Finish Mill	FF 4-2	Opacity, Filterable PM, Filterable PM ₁₀
No. 1 Finish Mill Transfer	FF 4-3	Opacity, Filterable PM, Filterable PM ₁₀
No. 2 Finish Mill	FF 4-5	Filterable PM, Filterable PM ₁₀
No. 2 Finish Mill Transfer	FF 4-6	Filterable PM, Filterable PM ₁₀
No. 3 Finish Mill Transfer	FF 3-19	Opacity
No. 3 Finish Mill Transfer	FF 3-20	Opacity
No. 3 Finish Mill	FF 4-9	Opacity, Filterable PM, Filterable PM ₁₀
No. 3 Finish Mill Transfer	FF 4-10 FF 4-11 FF 4-12	Opacity Opacity Opacity, Filterable PM, Filterable PM ₁₀
Group 4 Silos	FF 5-3	Filterable PM, Filterable PM_{4.9} Opacity
Group 5 Silos	FF 5-1 FF 5-2	Filterable PM, Filterable PM ₁₀ Filterable PM, Filterable PM_{4.9} Opacity
Cement Transfer Equipment	FF 5-5 FF 5-8	Filterable PM, Filterable PM_{4.9} Opacity Filterable PM, Filterable PM ₁₀

All other conditions of the permit (CP-133-10159-00002) shall remain unchanged and in effect. Please attach a copy of this amendment to the front of the original construction permit.

Lone Star Industries, Inc.
Greencastle, Indiana
Permit Reviewer: Nisha Sizemore

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This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Nisha Sizemore, OAM at the above address; or by phone at 317-232-8356 or 1800-451-6027 (dial "0" and ask for ext. 2-8356).

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

NLS

Attachments: amended permit page (1 page)

cc: File - Putnam County
Air Compliance Section Inspector - Marc Goldman
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner

D.4.2 Operation Standards

Pursuant to 326 IAC 2-2-3(a)(3), the Permittee shall comply with the following throughput limitations:

- (a) The clinker input rate to the No. 1 finish mill shall not exceed 517,942 tons per year rolled on a monthly basis;
- (b) The clinker input rate to the No. 2 finish mill shall not exceed 517,942 tons per year rolled on a monthly basis; and
- (c) The clinker input rate to the No. 3 finish mill shall not exceed 700,567 tons per year rolled on a monthly basis.

Compliance Determination and Monitoring:

D.4.3 Performance Testing

- (a) Pursuant to 326 IAC 2-1-3 (Construction and Operating Permit Requirements) and 40 CFR 60 (New Source Performance Standards), initial compliance tests for the following facilities shall be performed to determine compliance with Operation Conditions D.4.1 within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up:

Operation	Emission Point	Emission Limitations
No. 1 Finish Mill	FF 4-2	Opacity, Filterable PM, Filterable PM ₁₀
No. 1 Finish Mill Transfer	FF 4-3	Opacity, Filterable PM, Filterable PM ₁₀
No. 2 Finish Mill	FF 4-5	Filterable PM, Filterable PM ₁₀
No. 2 Finish Mill Transfer	FF 4-6	Filterable PM, Filterable PM ₁₀
No. 3 Finish Mill Transfer	FF 3-19	Opacity
No. 3 Finish Mill Transfer	FF 3-20	Opacity
No. 3 Finish Mill	FF 4-9	Opacity, Filterable PM, Filterable PM ₁₀
No. 3 Finish Mill Transfer	FF 4-10 FF 4-11 FF 4-12	Opacity Opacity Opacity, Filterable PM, Filterable PM ₁₀
Group 4 Silos	FF 5-3	Opacity
Group 5 Silos	FF 5-1 FF 5-2	Filterable PM, Filterable PM ₁₀ Opacity
Cement Transfer Equipment	FF 5-5 FF 5-8	Opacity Filterable PM, Filterable PM ₁₀

- (b) The compliance tests shall be performed within 60 days after achieving maximum

production rate, but no later than 180 days after initial start-up and shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit (Construction Condition B.5), utilizing methods approved by IDEM, OAM.